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(57) Abstract: A battery monitoring system includes a component for determining the magnitude of current flowing through a battery cable based on a magnetic field produced by the current. The component is configured to provide an output signal representative of the magnitude of current for use in characterizing the battery. A method for characterizing a battery utilizing a battery monitoring system includes inferring a magnitude of battery current based on a magnetic field generated by current flowing through a battery cable coupled to the battery. The battery monitoring system is adapted to characterize the battery utilizing at least one mathematical construct.

WO 2004/063738 A2

**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT,

LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

Published:

- without international search report and to be republished upon receipt of that report

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VIII-3-1	<p>Declaration: Entitlement to claim priority Declaration as to the applicant's entitlement, as at the International filing date, to claim the priority of the earlier application specified below, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(III) and 51bis.1(a)(III)); Name:</p>	<p>in relation to this international application</p>
VIII-3-1 (iv)		<p>JOHNSON CONTROLS TECHNOLOGY COMPANY is entitled to claim priority of earlier application No. 60/437,870 by virtue of the following:</p>
VIII-3-1 (iv)		<p>an assignment from DOUGHERTY, Thomas, J. to JOHNSON CONTROLS TECHNOLOGY COMPANY, dated 19 February 2003 (19.02.2003)</p>
VIII-3-1 (iv)		<p>an assignment from WRUCK, William, J. to JOHNSON CONTROLS TECHNOLOGY COMPANY, dated 17 February 2003 (17.02.2003)</p>
VIII-3-1 (iv)		<p>an assignment from CHEN, Chih, Y. to JOHNSON CONTROLS TECHNOLOGY COMPANY, dated 17 February 2003 (17.02.2003)</p>
VIII-3-1 (ix)	<p>This declaration is made for the purposes of:</p>	<p>all designations</p>